



## ABSTRACT OF THE DISCLOSURE

Flow activity of selected traffic is captured between a source and a destination at selected states and points in time during a communication session between nodes of a service network. The flow activity includes a flow descriptor for selected datagrams placed in the service network. The flow activity also includes either a service identifier for the selected datagrams which identifies a service interface in the service network that the datagram is transmitted to or received from, or any service labels that are within or appended to the selected datagrams, wherein the service labels reference the service to be given to the datagrams. The service being provisioned on predefined service interfaces is identified. The identified provisioned service and the service identifiers or service labels are used to determine the service provisioned for the datagrams associated with the captured flow activity.